

PATENT  
Attorney Docket No.: A-65686-1/RMS/RMK  
Client Matter No.: 463037-17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application/patent of:

Hau H. Duong, et al.

Serial No.: 09/397,957

Filed: September 17, 1999

Patent No.: 6,740,518 B1

Issued: May 25, 2004

For: *Signal Detection Techniques for the  
Detection of Analytes*

Examiner: Frank Lu

Group Art Unit: 1634

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Certificate of Correction Branch, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 on 10/14/04

Signed: \_\_\_\_\_

*Jefe Valles*  
Jefe Valles

**PETITION FOR CERTIFICATE OF CORRECTION  
OF PATENT OFFICE MISTAKES UNDER 37 CFR § 1.322**

Certificate of Correction Branch  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Certificate  
OCT 13 2004  
of Correction

Sir:

Patentee requests that a Certificate of Correction be issued due to Patent Office mistakes in United States Letters Patent No. 6,740,518 B1, issued May 25, 2004, as set forth in the attached PTO/SB/44 Certificate of Correction (also Form PTO-1050).

Although, Patentee does not believe any fees are required, the Commissioner is hereby authorized to charge any such fees, including extension fees, or credit any overpayment to Deposit Account No. 50-2319 (Our File/Matter Nos. A-65686-1/463037-17/RMS/RMK).

Respectfully submitted,

DORSEY & WHITNEY LLP

By \_\_\_\_\_

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Filed Under 37 C.F.R. § 1.34(a)  
Customer No. 32940

1152814

OCT 15 2004

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6.740,518 B1  
DATED : May 25, 2004  
INVENTORS : Hau H. Duong, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### ON THE FRONT PAGE

Col. 1, under '(56) References Cited – U.S. Patent Documents', change "4,945,045 A 7/1990 Forrest et al." to --4,945,045 A 7/1984 Forrest et al.--; and "5,278,043 A 1/1994 Bannwarth et al. .... 536/23.1" to --5,278,043 A 1/1995 Bannwarth et al. .... 536/23.1--.

Col. 2, change "5,571,568 A 11/1996 Ribi et al." to --5,571,568 A 6/1989 Ribi et al.--; and "5,705,346 A 1/1998 Okamoto et al." to -- 5,705,346 A 1/1992 Okamoto et al.--.

### IN THE SPECIFICATION

Col. 6, line 36, change "picomaviruses," to --picornaviruses,--; line 42, change "dificile," to -- difficile,--; and change "Comyebacterium" to --Cornyebacterium--.

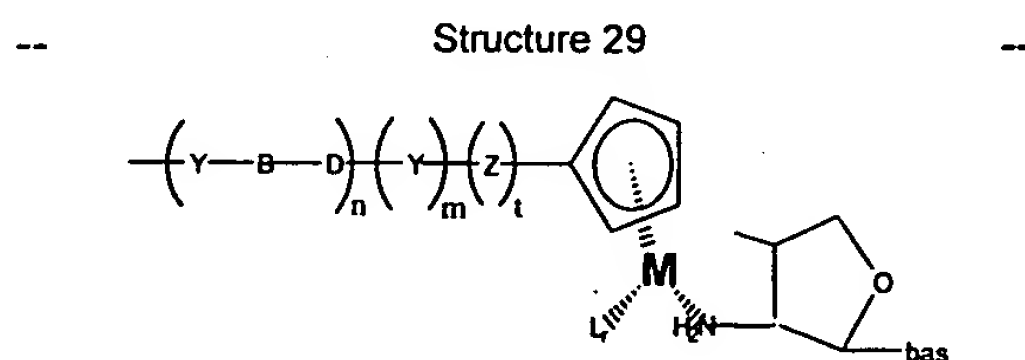
Col. 16, line 65, change "-OCS-)" to -- -O-CS-) --.

Col. 18, line 19, change "when 9" to -- when g--.

Col. 25, line 9, change "peroxidesulfuric" to --peroxide/sulfuric--.

Col. 33, line 55, change "coligands" to --co-ligands--.

In Col. 35, delete "Structure 29" and insert therefor:



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PATENT NO. 6,740,518 B1

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
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### IN THE SPECIFICATION

Col. 37, line 64, change "N,N-dimethyl-2,7-" to --N,N'-dimethyl-2,7- --; and line 67, change "1,9-def:6,5,10-d'e'f')diisoquinoline" to --1,9-def:6,5,10-d'e'f')diisoquinoline--.

Col. 40, line 32, change "L<sub>6</sub>" to --L<sub>a</sub>--.

Col. 48, line 7, change "FIG. 8" to --FIG. 18--.

Col. 61, line 58, change "briphosphate" to --triphosphate--.

Col. 63, lines 34 and 35, change "EM is" to --ETMs--; line 37, change "ribosephosphate" to --ribose-phosphate--.

Col. 75, lines 35 and 36, change "co redoxant" to --co-redoxant--.

Col. 78, line 10, change "f<sub>D</sub>" to --f<sub>o</sub>--; line 58, change "q<sub>s</sub>" to --q<sub>e</sub>--; and line 65, Equation 3, change "Nemst" to --Nernst--.

Col. 81, line 33, change "Nemst" to --Nernst--; line 50, change "E<sub>o</sub>=200" to --E<sub>o</sub><sup>+</sup>=200--; line 54, change "90-degrees" to --90° degrees--; and line 64, change "Nemst" to --Nernst--.

Col. 82, line 56, change "would not Using" to --would not. Using--.

Col. 84, lines 27, 34 and 38 change "R<sup>u</sup>" to --R<sub>u</sub>--.

Col. 85, line 41, change "Baizani," to --Balzani--.

Col. 86, line 54, change "current It" to --current. It--.

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### IN THE SPECIFICATION

Col. 88, line 41, delete Equation 12, and insert therefor:

$$\begin{array}{c} \text{--} \qquad \qquad \qquad \text{Equation 12} \qquad \qquad \qquad \text{--} \\ G'''(A_0, A_1, A_2, v) = 4A_0A_1^4 E^{-(v-A_1)^2 A_1^2} (3 - 2A_1^2 (A_2 - v)^2)(v - A_2) \end{array}$$

Col. 90, lines 4-6, delete Equations 21 and 22, and insert therefor:

$$\begin{array}{c} \text{--} \qquad \qquad \qquad \text{Equation 21 and 22:} \qquad \qquad \qquad \text{--} \\ \nabla E_x(A_x) = \nabla E_x(A_{x\text{-initial}}) + \nabla \nabla E_x(A_{x\text{-initial}})(A_{x\text{-initial}} - A_x) = 0 \\ \nabla E_y(A_y) = \nabla E_y(A_{y\text{-initial}}) + \nabla \nabla E_y(A_{y\text{-initial}})(A_{y\text{-initial}} - A_y) = 0 \end{array}$$

: Col. 92, line 67, change "(E<sub>0</sub> or A<sub>1</sub>)" to -(E<sub>0</sub> or A<sub>2</sub>)--.

Col. 93, line 48, change "sat)" to --s(t)--.

Col. 101, line 61, change "+0.3°" to -- -0.3°--; and line 62, change "-0.3°" to --+0.3°--.

Col. 102, line 25, change "Milli-O" to --Milli-Q--.

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Col. 103, line 17, change "riM" to --nM--.

Col. 105, line 48, change " $(t > T_{1/2}^2$ " to -- $(t > T_{1/2})$ --.

Col. 106, line 37, change "Ume" to --time-- and "Ume-frequency" to --time-frequency--; and line 58, change "Ume-frequency" to --time-frequency--.

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